

Start

1

2

3

4

5

6

Start

1

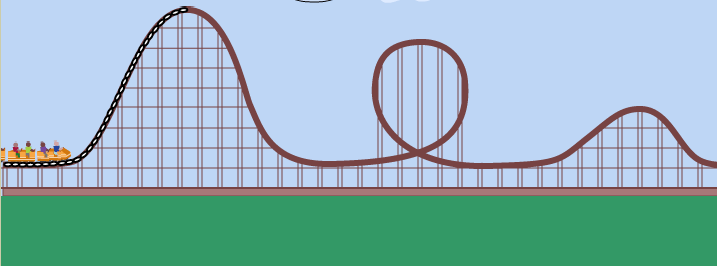
2

3

4

5

6



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Point | Amount of GPE  (none, a little, medium, a lot, or most) | Why? (think about amount of height) | Amount of KE (none, a little, medium, a lot, or most) | Why? (think about amount of speed/motion) |
| Start |  |  |  |  |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |

**Energy on a Rollercoaster - Writing Prompt**

1. Make a new link on your page on the wiki called “Energy on a Rollercoaster – Your Name”.
2. Put your answer to the following prompt on the link you just made.

Explain how the gravitational potential energy (GPE) and kinetic energy (KE) changes as the roller coaster moves through 4 of the points you filled out on your chart. THE FIRST POINT MUST BE THE STARTING POINT.

Possible format:

Topic sentence Something about how a rollercoaster demonstrates GPE and KE   
Sentence 2 Amount of GPE at starting point and explanation why  
Sentence 3 Amount of KE at starting point and explanation why  
Sentence 4 Amount of GPE at point \_\_\_\_\_\_\_ and explanation why  
Sentence 5 Amount of KE at point \_\_\_\_\_\_\_ and explanation why (use the same point you talked about in sentence 4)  
Sentence 6 Amount of GPE at point \_\_\_\_\_\_\_ and explanation why  
Sentence 7 Amount of KE at point \_\_\_\_\_\_\_ and explanation why (use the same point you talked about in sentence 6)  
Sentence 8 Amount of GPE at point \_\_\_\_\_\_\_ and explanation why  
Sentence 9 Amount of KE at point \_\_\_\_\_\_\_ and explanation why (use the same point you talked about in sentence 8)  
Concluding sentence Something about how the amount of GPE is connected to the amount of KE on a rollercoaster